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Dated: February 14, 2003

Signature

(Lisa M. DiRocco)

Docket No.: CBN-002CP
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Patent Application of:
Timothy A. Springer, *et al*

Application No.: 09/945265

Group Art Unit: 1644

Filed: August 31, 2001

Examiner: Maher M. Haddad

For: MODIFIED POLYPEPTIDES STABILIZED IN
A DESIRED CONFORMATION AND
METHODS FOR PRODUCING SAME

SUBMISSION OF FORMAL DRAWINGS

Commissioner for Patents
Washington, DC 20231

Dear Sir:

Submitted herewith is one set (thirteen sheets, figures 1-12C) of formal drawings for filing in the above-identified patent application. Kindly substitute the enclosed formal drawings for the informal drawings submitted with the originally filed application.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 12-0080, under Order No. CBN-002CP from which the undersigned is authorized to draw.

Dated: February 14, 2003

Respectfully submitted

By

Lisa M. DiRocco

Registration No.: 51,619

LAHIVE & COCKFIELD, LLP

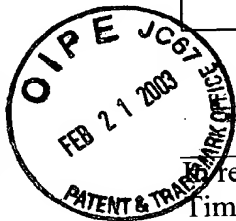
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Attorney for Applicants



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FIG. 1

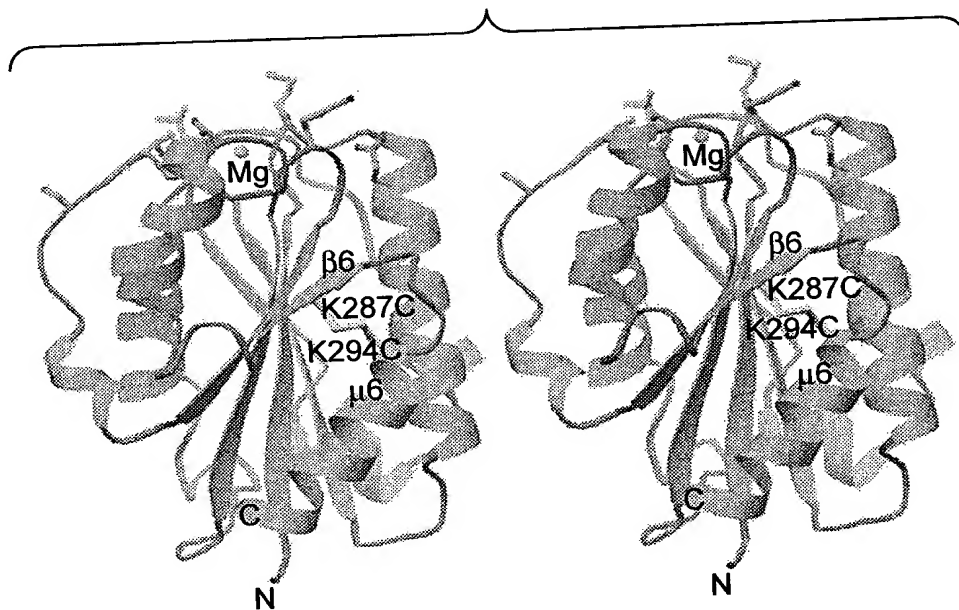


FIG.2C low affinity structure

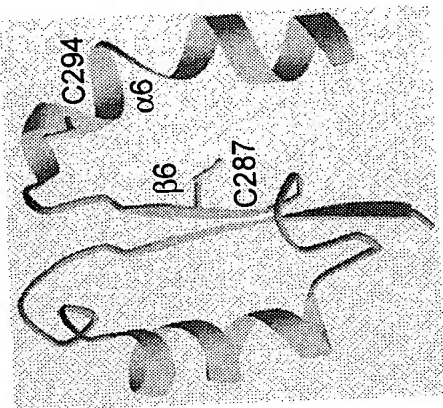


FIG.2D low affinity structure

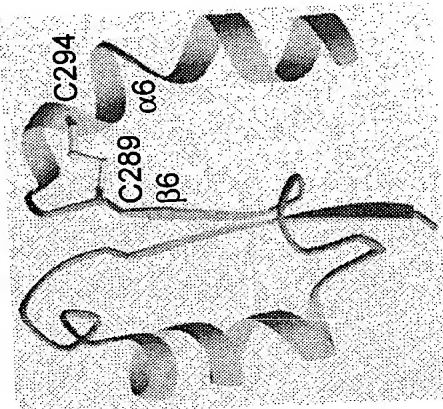


FIG.2A high affinity model

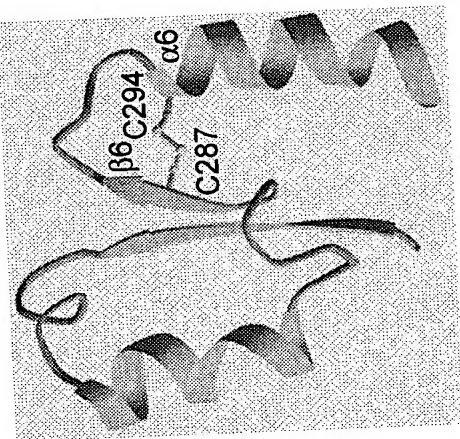
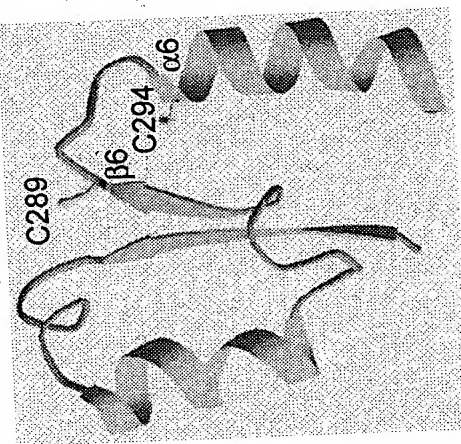


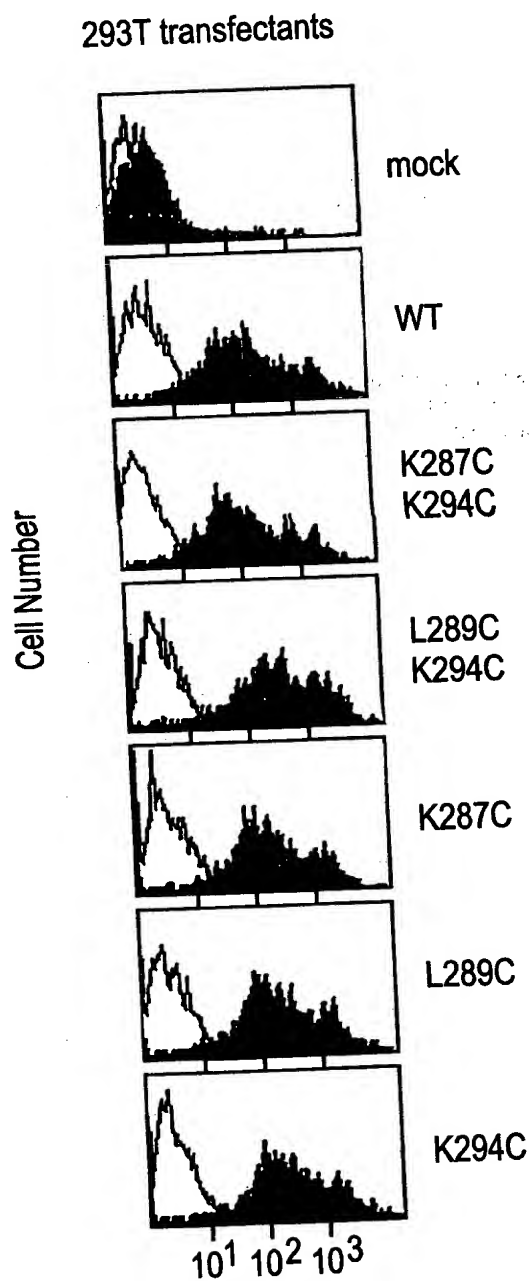
FIG.2B high affinity model





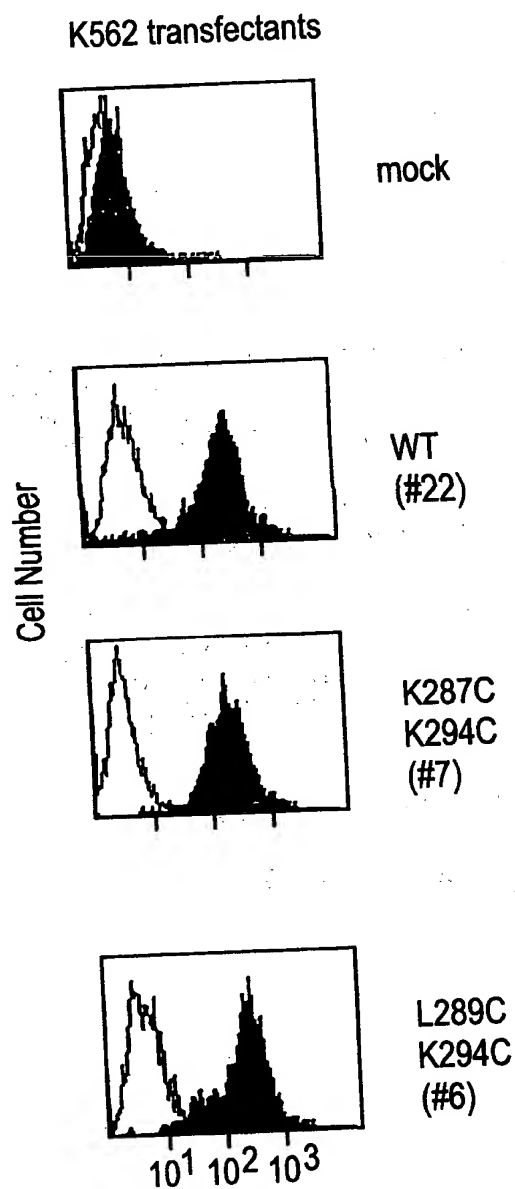
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FIG. 3A



Log Fluorescence Intensity

FIG. 3B



Log Fluorescence Intensity

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FIG. 4A

293T transfectants

■ control
 ▨ mAb CBRLFA-1/2

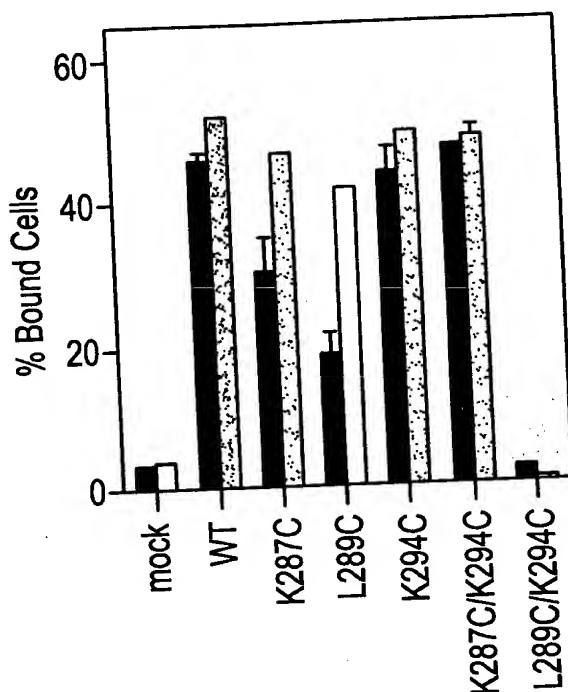


FIG. 4B

K562 transfectants

■ control
 ▨ mAb CBRLFA-1/2

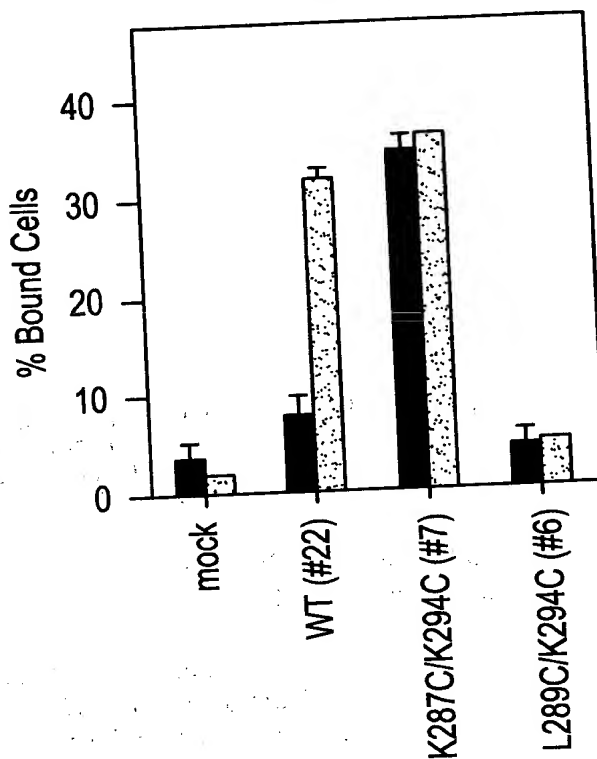


FIG. 4C

K562 transfectants

■ Mg + Ca
 ▨ Mg
 ▩ Mn
 □ EDTA

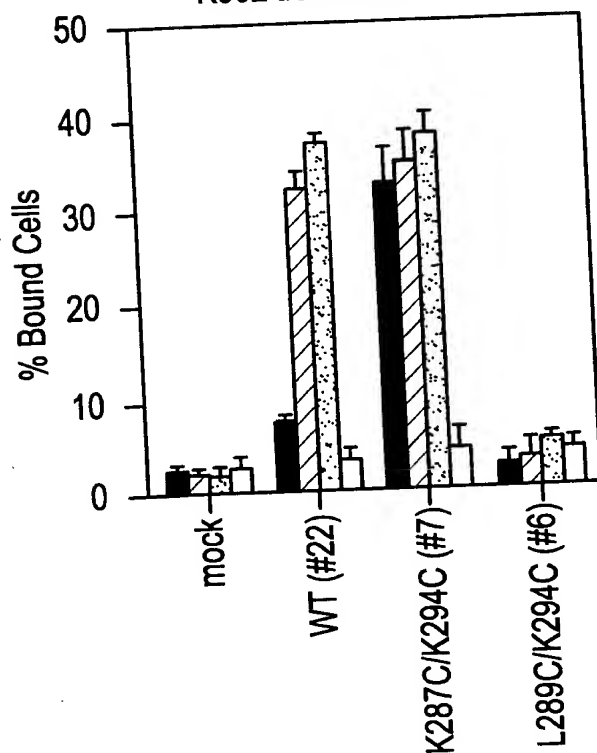
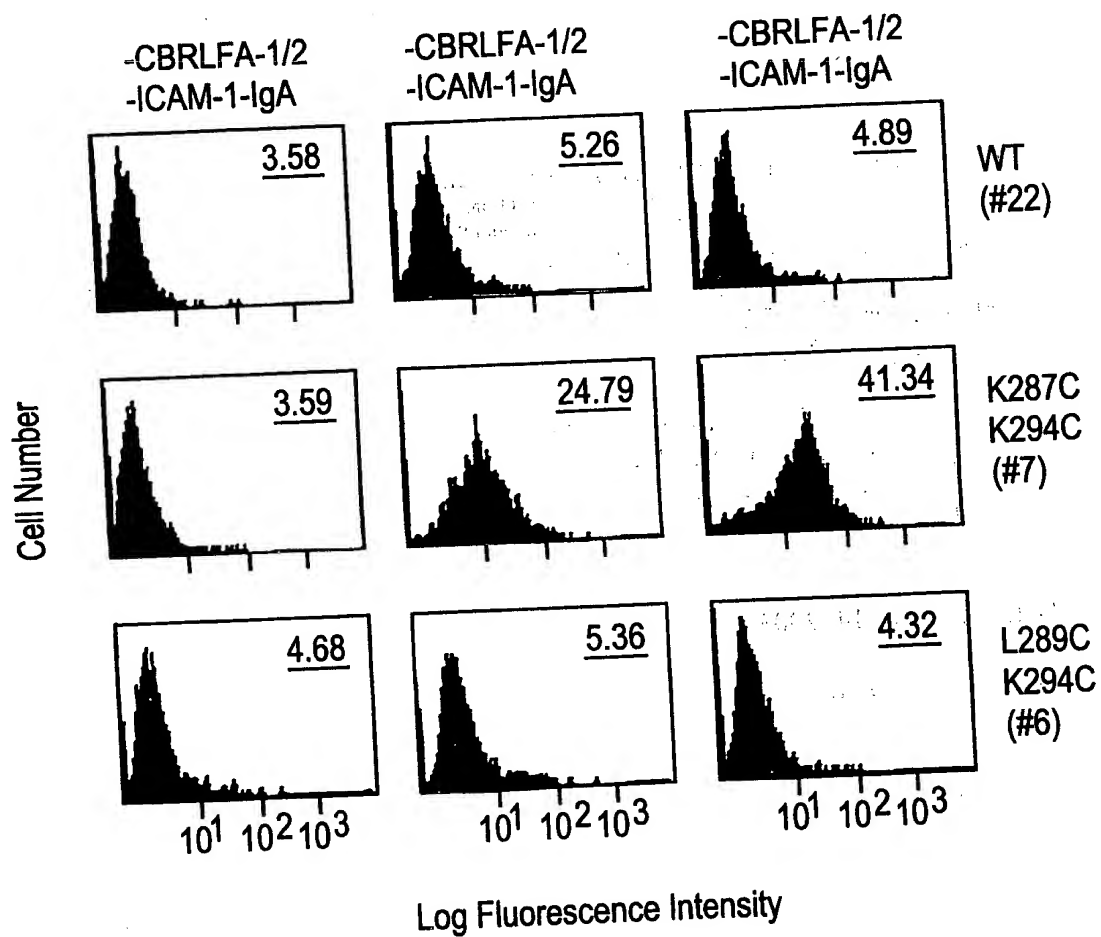


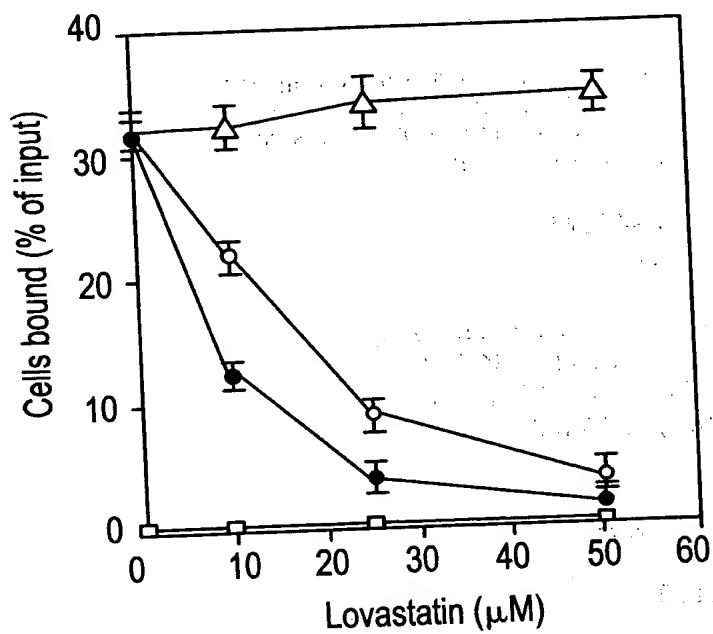
FIG. 5



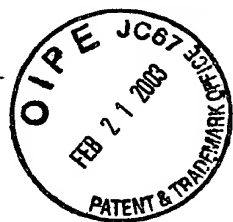


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FIG. 6



- MOCK
- WT/Mn
- WT/CBRLFA1/2
- △— HA/aLb2



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FIG. 7

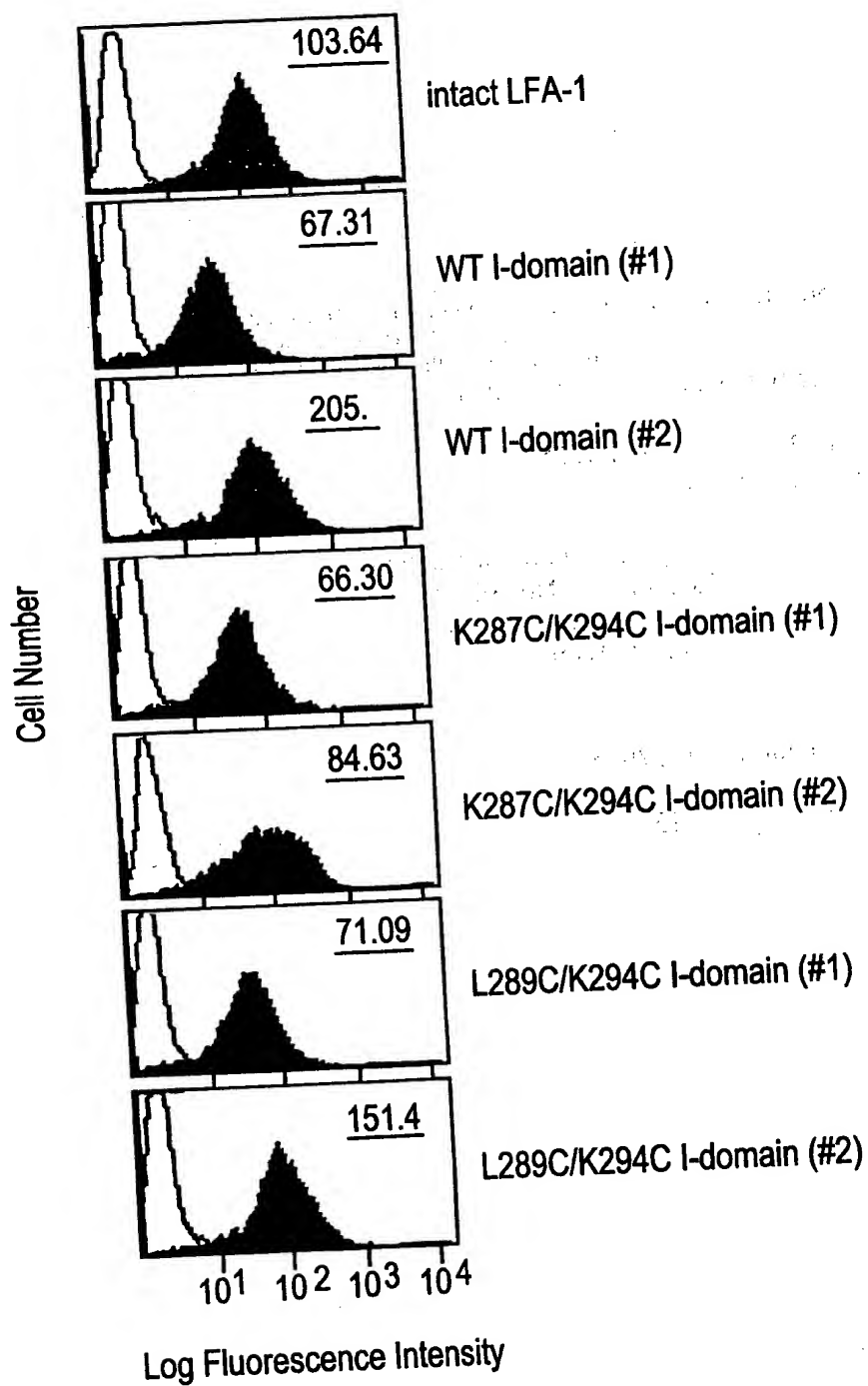


FIG. 8A

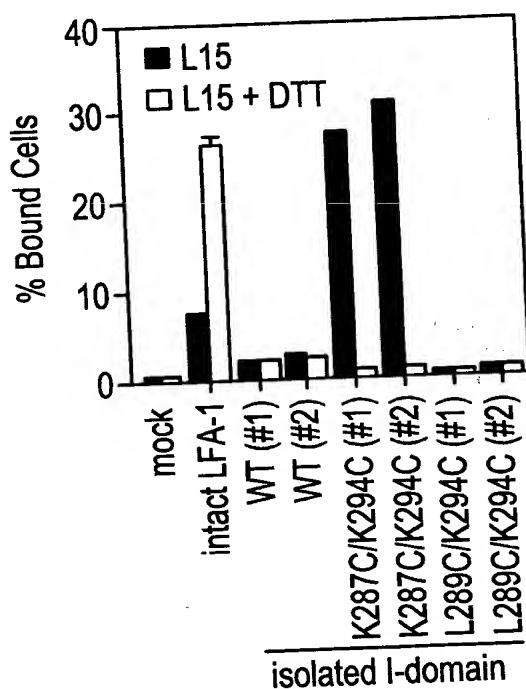


FIG. 8B

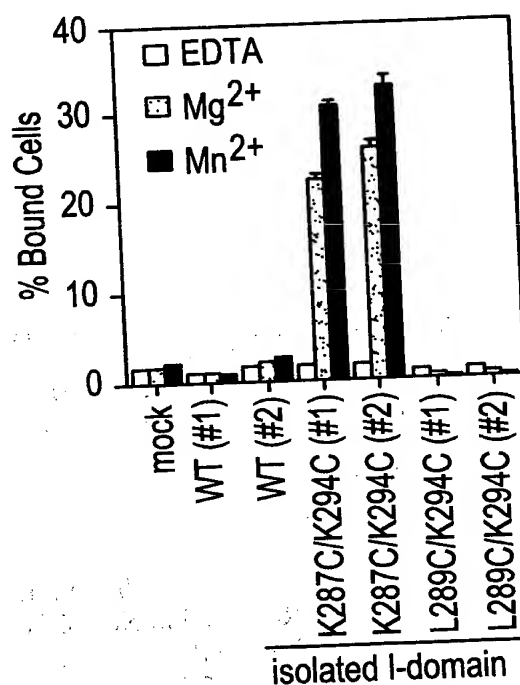
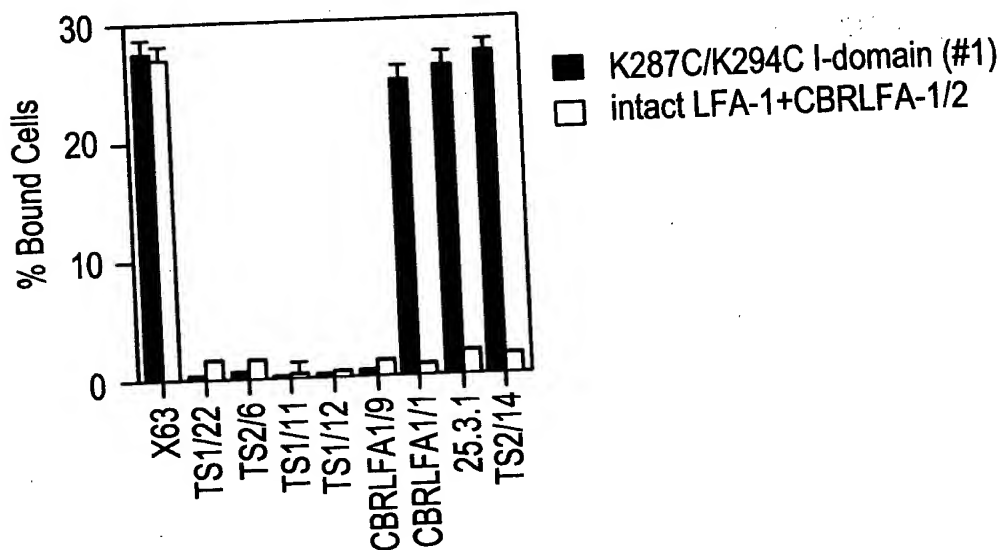


FIG. 8C





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FIG. 9A

ICAM-1

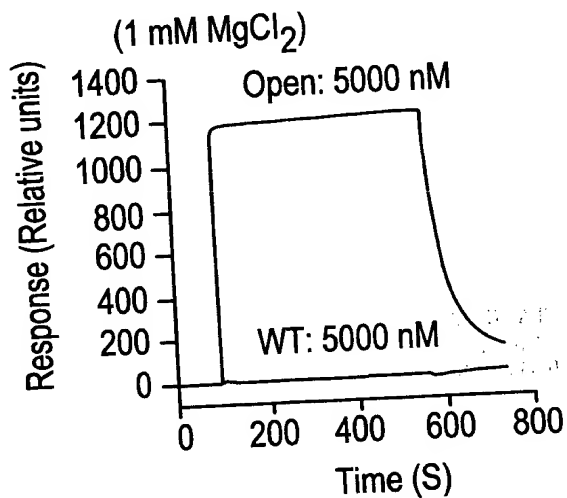


FIG. 9B

(Open I-domain, 1 mM $MgCl_2$)

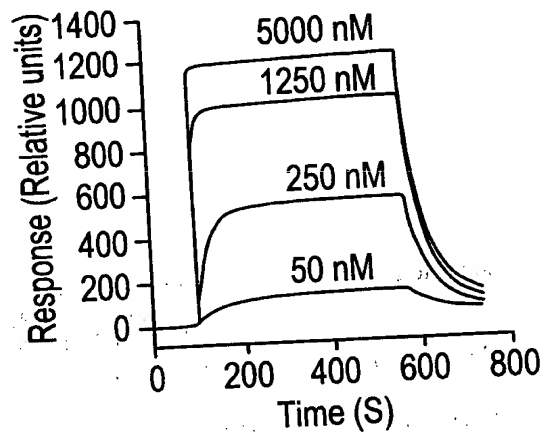


FIG. 9C

ICAM-2

(1 mM $MgCl_2$)

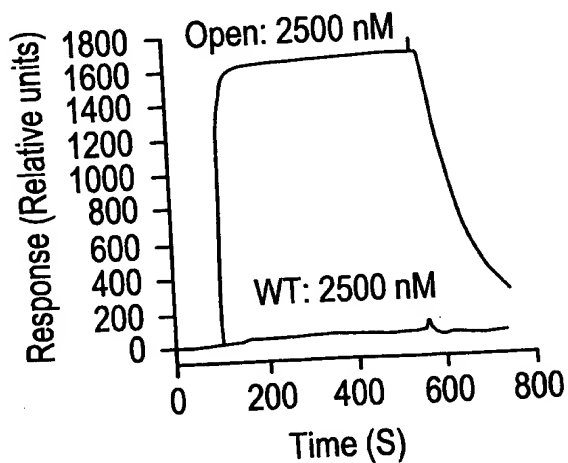


FIG. 9D

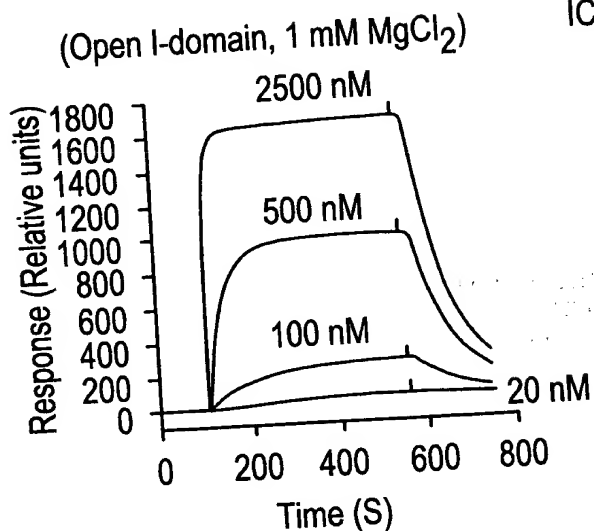


FIG. 9E

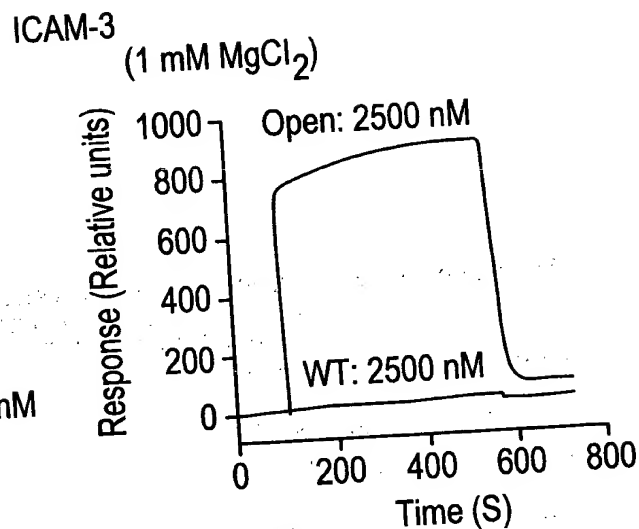
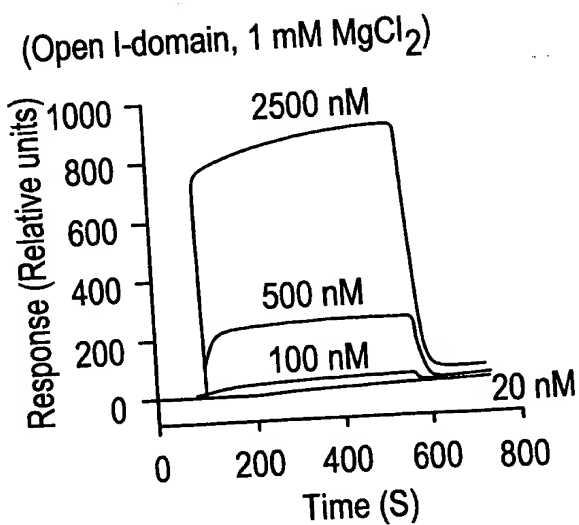
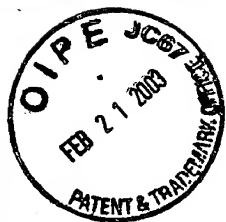


FIG. 9F





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FIG. 10A

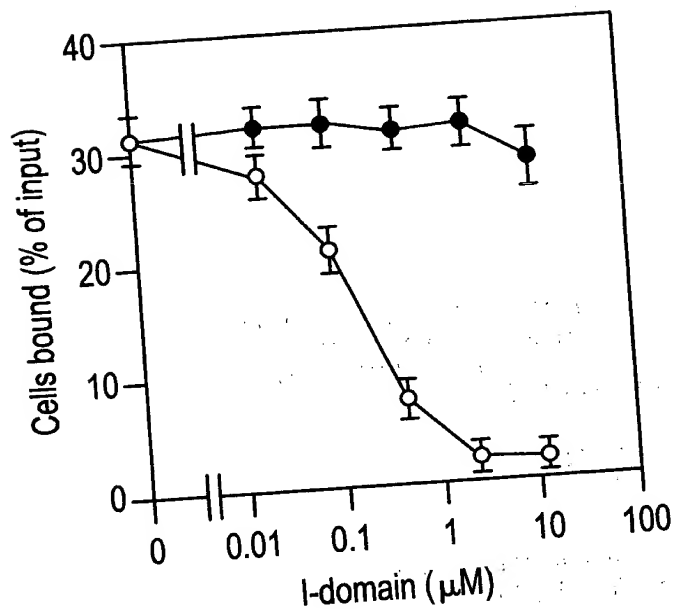
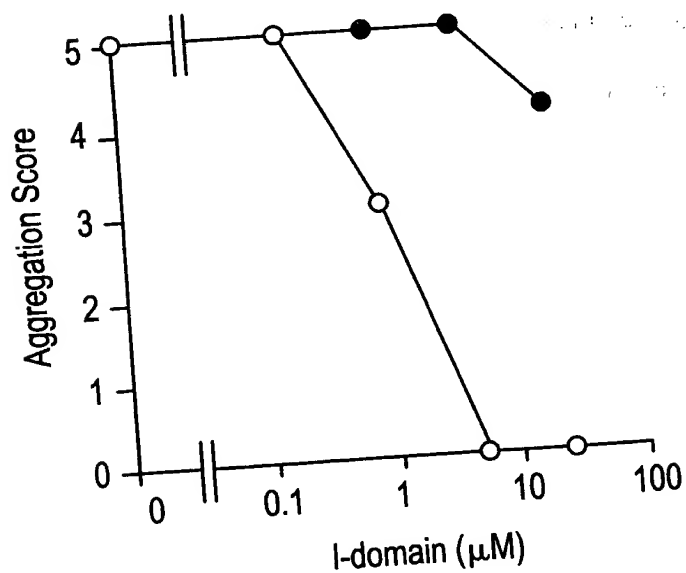
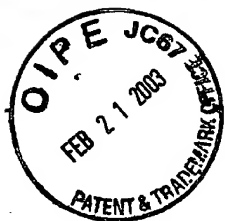


FIG. 10B





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FIG. 11A

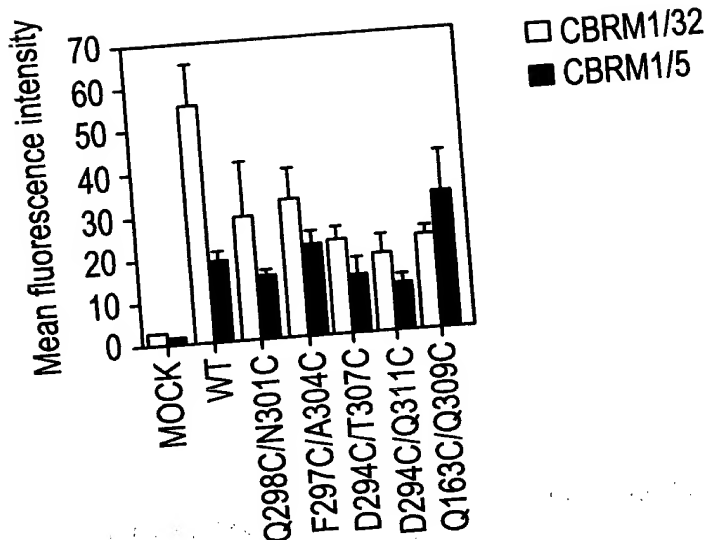


FIG. 11B

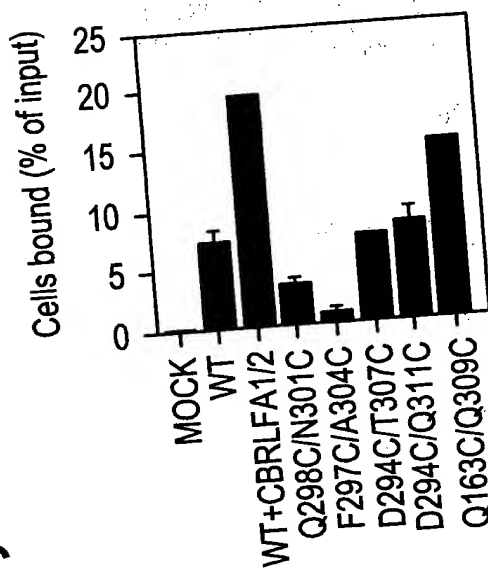
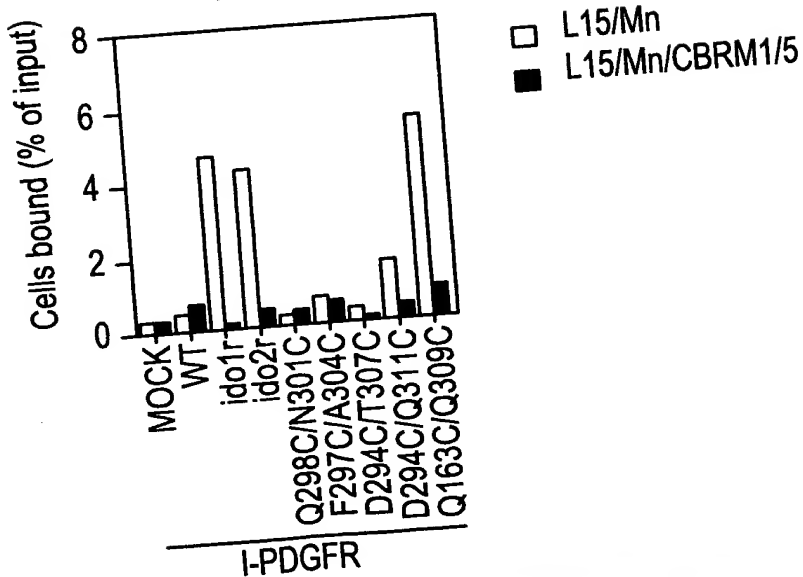
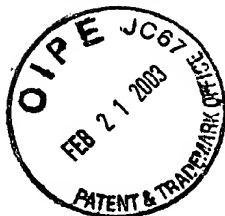


FIG. 11C





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FIG. 12A

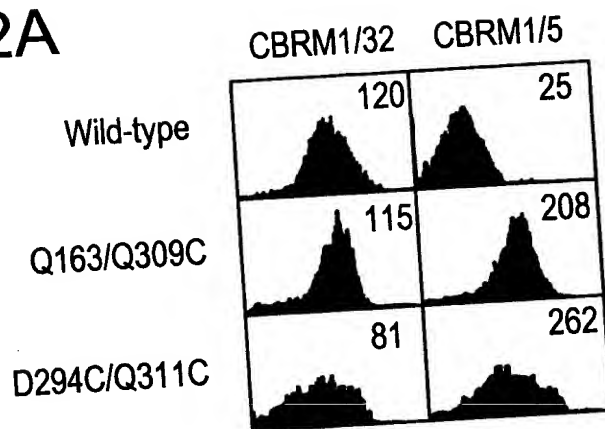


FIG. 12B

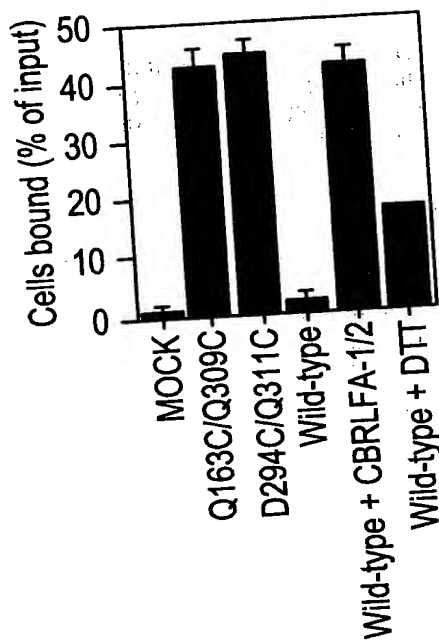


FIG. 12C

